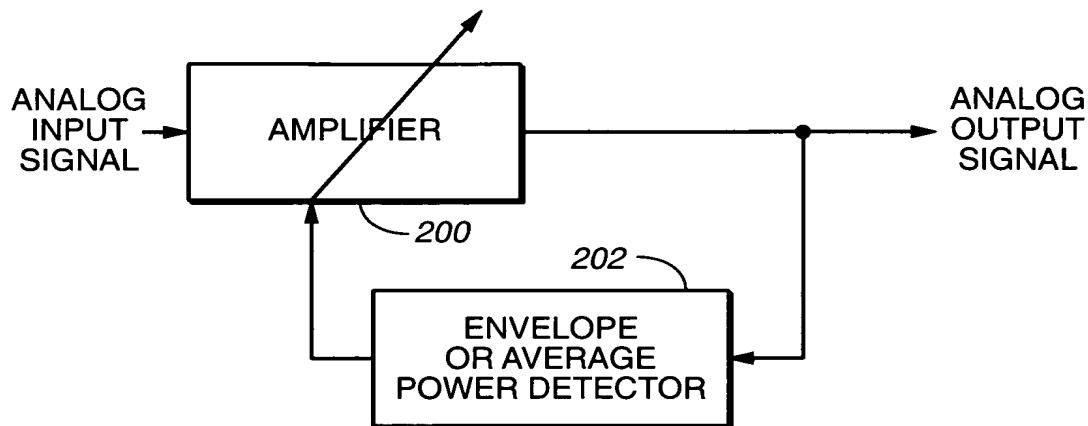


**FIG.\_1**

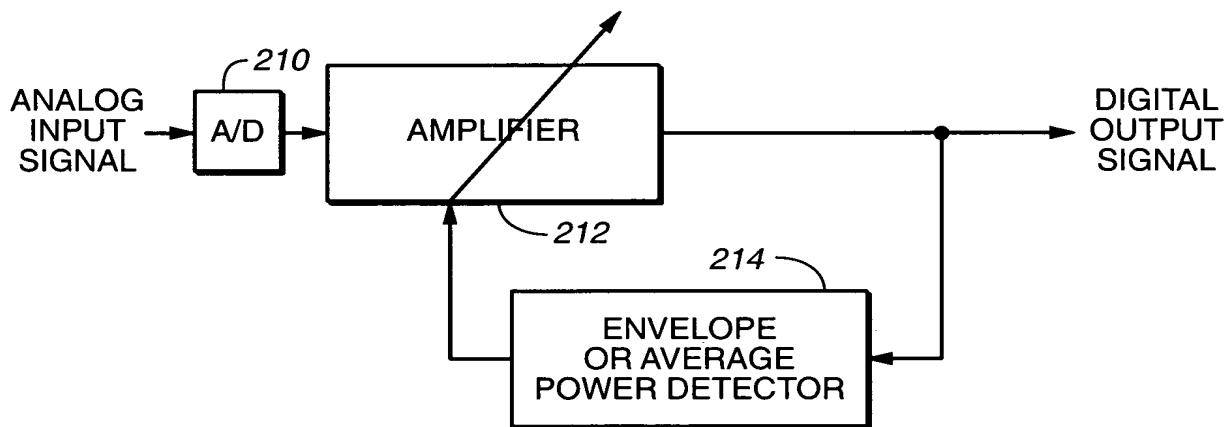


03-2439

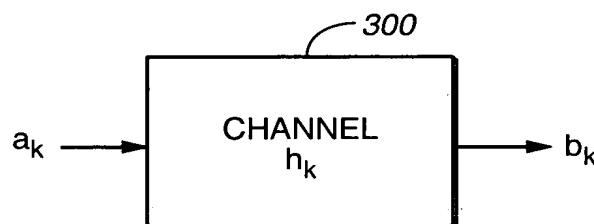
2 / 9



**FIG.\_2A**  
(PRIOR ART)



**FIG.\_2B**  
(PRIOR ART)



**FIG.\_3**

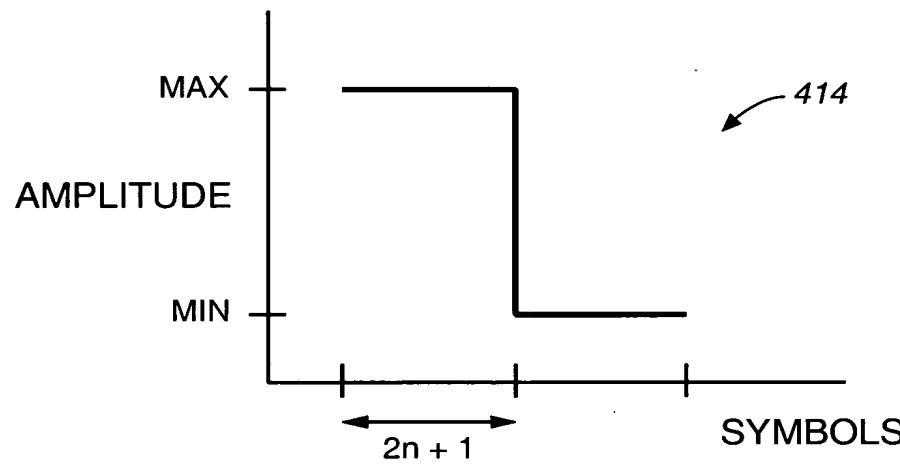
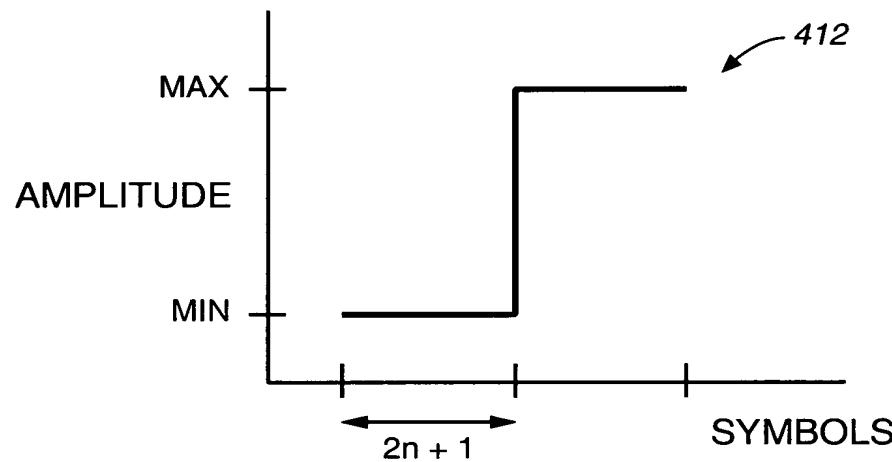


03-2439

3 / 9

[ DATA FIELD ][ AGC FIELD ][ DATA FIELD ][AGC FIELD ] . . .

**FIG.\_4A**

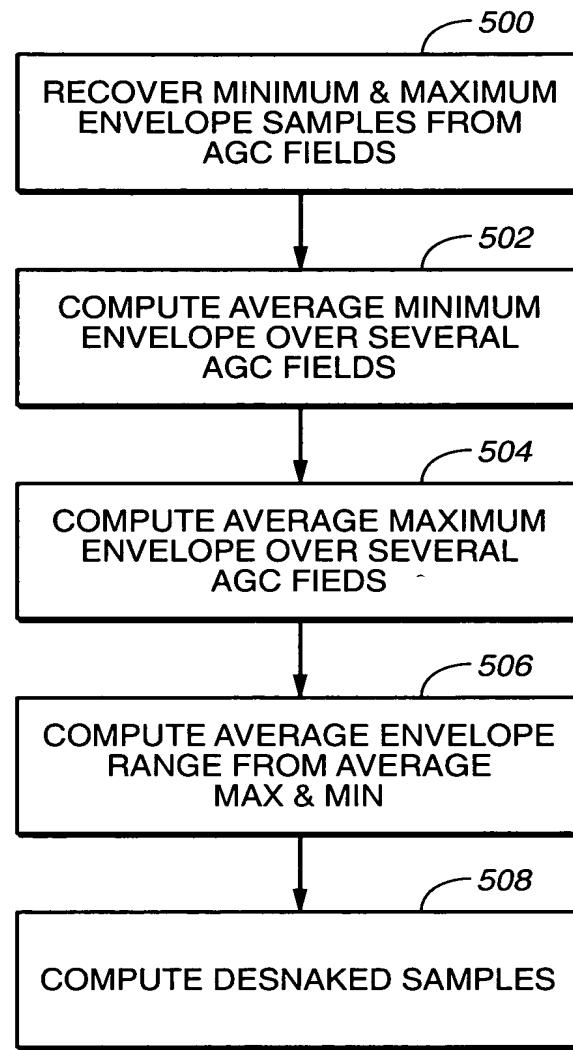


**FIG.\_4B**

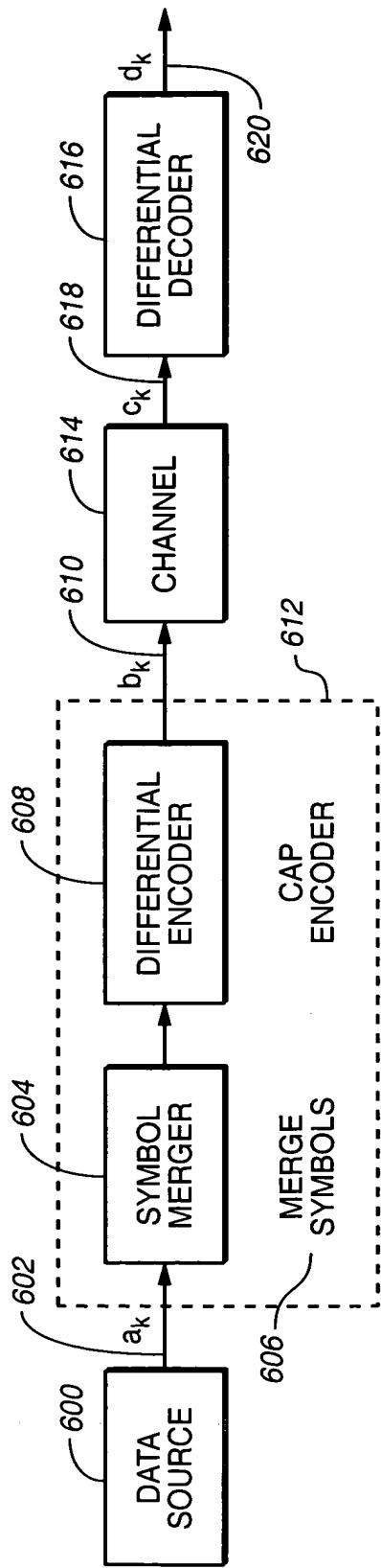


03-2439

4 / 9



**FIG.\_5**

**FIG.\_6A**

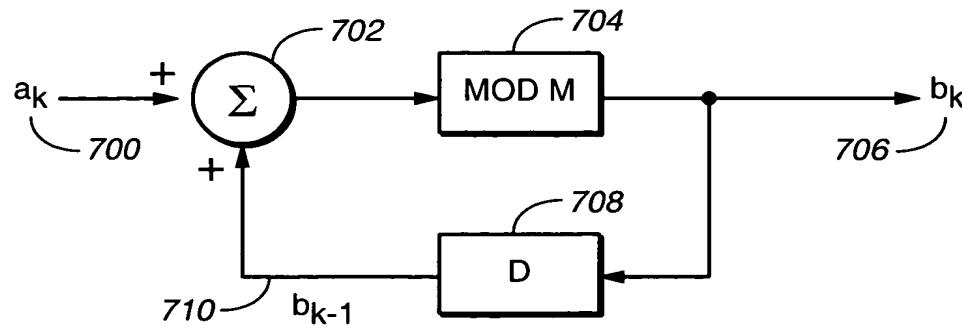
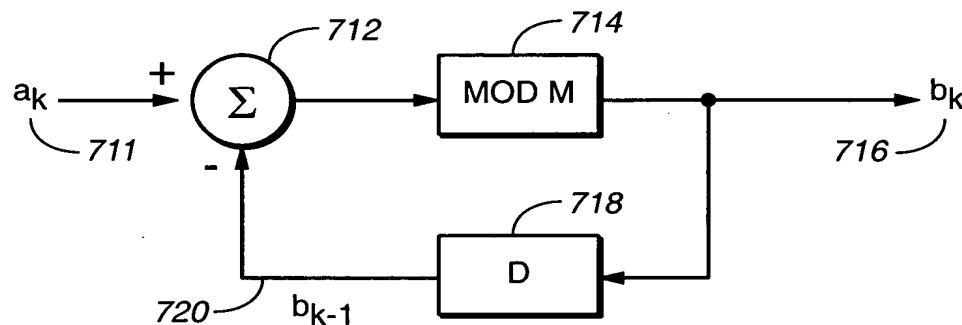
[ CAP FIELD ][ DATA FIELD ][ CAP FIELD ][ DATA FIELD ] . . .  
 LENGTH:  
 (SYMBOLS)      |      N      |      N

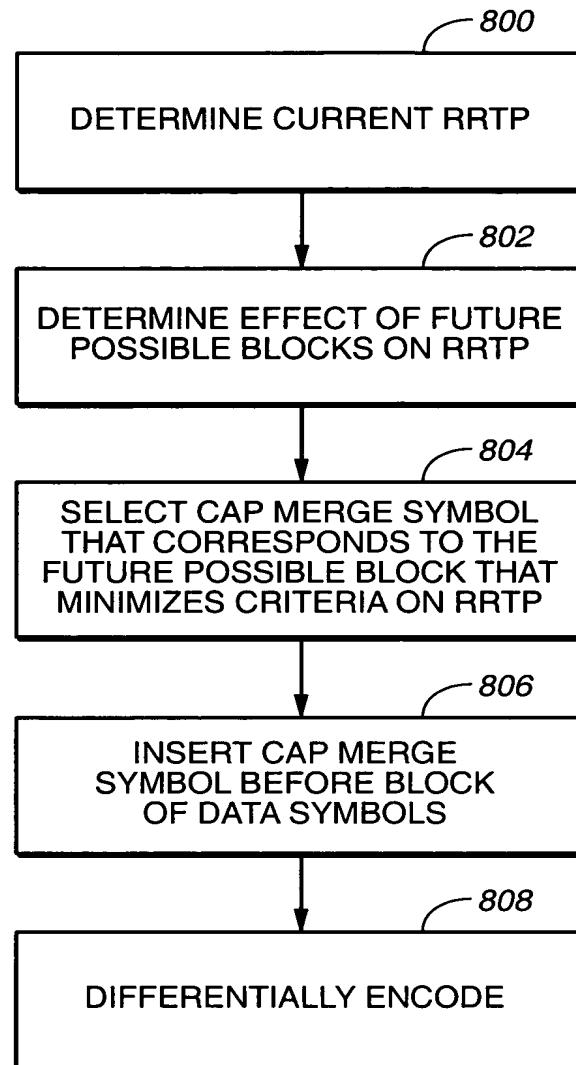
**FIG.\_6B**



03-2439

6 / 9

**FIG.\_7A****FIG.\_7B**

**FIG.\_8A**



NO. OF LEVELS M : 4  
 PREVIOUS OUTPUT LEVEL : 0  
 INPUT BLOCK : 0 1 3 2  
 CURRENT RRTDP : -2

## CANDIDATE MERGE SYMBOL 0

|               |    |    |    |    |    |    |                        |
|---------------|----|----|----|----|----|----|------------------------|
| $a_k$         | 0  | 0  | 1  | 3  | 2  |    |                        |
| $b_k$         | 0  | 0  | 0  | 1  | 0  | 2  | → ENDING / RRTDP / = 6 |
| DV ( $b_k$ )  | -3 | -3 | -1 | -3 | +1 |    | MAX / RRTDP / = 6      |
| DSS ( $b_k$ ) | 9  | 9  | 1  | 9  | 1  |    |                        |
| RRTDP         | -2 | +2 | +6 | +2 | +6 | +2 |                        |

## CANDIDATE MERGE SYMBOL 1

|               |    |    |     |     |     |     |                         |
|---------------|----|----|-----|-----|-----|-----|-------------------------|
| $a_k$         | 1  | 0  | 1   | 3   | 2   |     |                         |
| $b_k$         | 0  | 1  | 1   | 2   | 1   | 3   | → ENDING / RRTDP / = 14 |
| DV ( $b_k$ )  | -1 | -1 | +1  | -1  | +3  |     | MAX / RRTDP / = 18      |
| DSS ( $b_k$ ) | 1  | 1  | 1   | 1   | 9   |     |                         |
| RRTDP         | -2 | -6 | -10 | -14 | -18 | -14 |                         |

## CANDIDATE MERGE SYMBOL 2

|               |    |    |     |    |     |    |                        |
|---------------|----|----|-----|----|-----|----|------------------------|
| $a_k$         | 2  | 0  | 1   | 3  | 2   |    |                        |
| $b_k$         | 0  | 2  | 2   | 3  | 2   | 0  | → ENDING / RRTDP / = 6 |
| DV ( $b_k$ )  | +1 | +1 | +3  | +1 | -3  |    | MAX / RRTDP / = 10     |
| DSS ( $b_k$ ) | 1  | 1  | 9   | 1  | 9   |    |                        |
| RRTDP         | -2 | -6 | -10 | -6 | -10 | -6 |                        |

## CANDIDATE MERGE SYMBOL 3

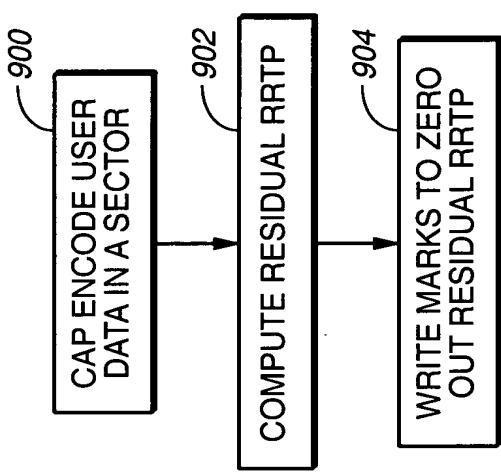
|               |    |    |    |     |     |     |                         |
|---------------|----|----|----|-----|-----|-----|-------------------------|
| $a_k$         | 3  | 0  | 1  | 3   | 2   |     |                         |
| $b_k$         | 0  | 3  | 3  | 0   | 3   | 1   | → ENDING / RRTDP / = 10 |
| DV ( $b_k$ )  | +3 | +3 | -3 | +3  | -1  |     | MAX / RRTDP / = 14      |
| DSS ( $b_k$ ) | 9  | 9  | 9  | 9   | 1   |     |                         |
| RRTDP         | -2 | +2 | +6 | +10 | +14 | +10 |                         |

**FIG.\_8B**



03-2439

9 / 9



**FIG.\_9A**

[ CAP FIELD ][ DATA FIELD ] . . . [ CAP FIELD ][ DATA FIELD ][ SECTOR CLEANUP FIELD ]  
910 ↗ 912 ↗ 910 ↗ 912 ↗ 914 ↗

**FIG.\_9B**

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